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SAMPLING AND ANALYSIS OUTLINE FOR BUILDING 16A WATER TANK BASE REALIGNMENT AND CLOSURE NAS CECIL FIELD FL

1/1/1999

TETRA TECH NUS INC

Sampling and Analysis Outline
for
Building 16A Water Tank
Base Realignment and Closure

Naval Air Station
Cecil Field
Jacksonville, Florida

Southern Division
Naval Facilities Engineering Command

Contract Number N62467-94-D-0888

Contract Task Order 0078

January 1999

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SAMPLING AND ANALYSIS OUTLINE
FOR
BUILDING 16A WATER TANK
BASE REALIGNMENT AND CLOSURE

NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

COMPREHENSIVE LONG-TERM
ENVIRONMENTAL ACTION NAVY (CLEAN) CONTRACT

Submitted to:
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Naval Facilities Engineering Command
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FIGURES

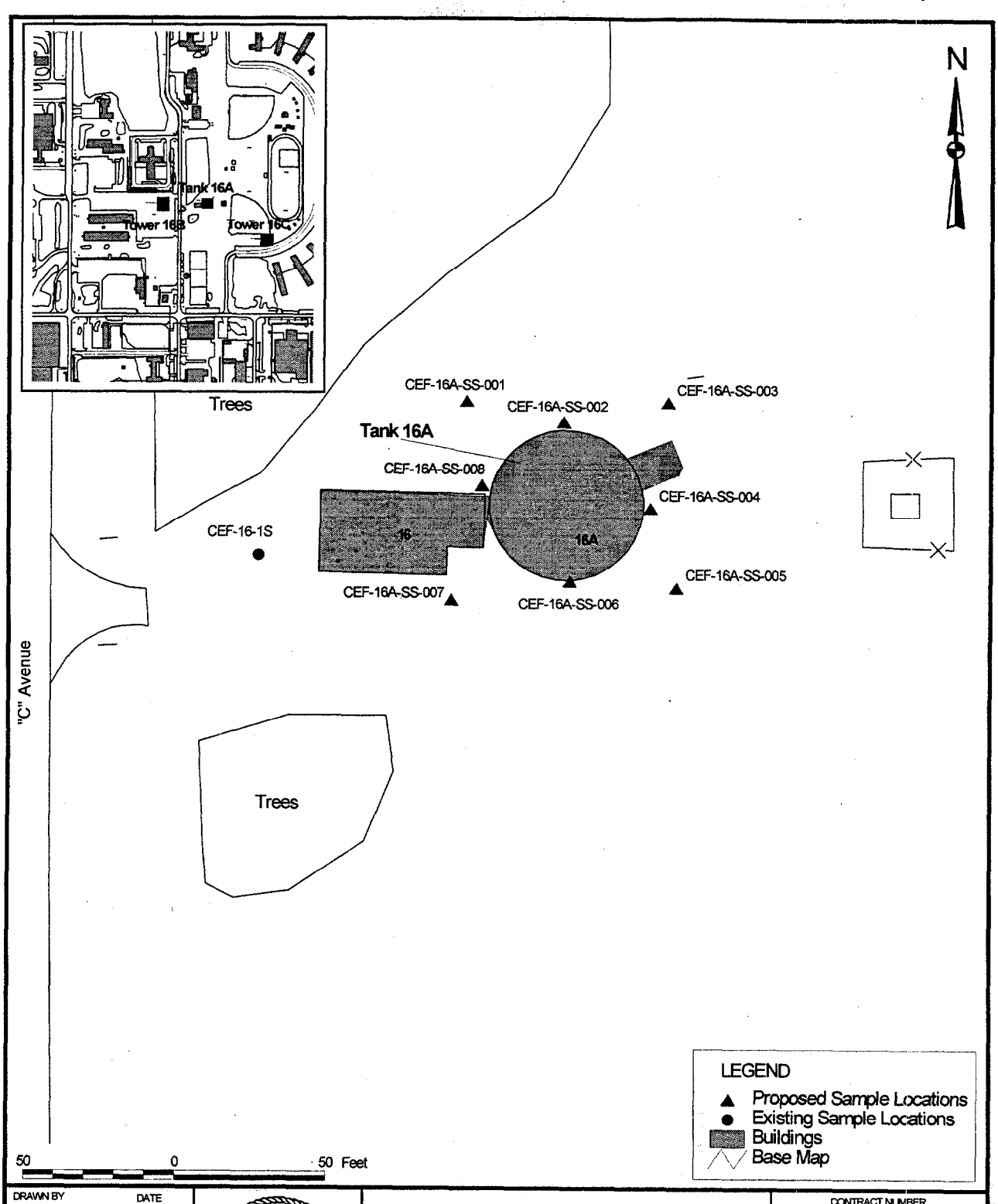
ACRONYMS

ABB-ES	ABB Environmental Services, Inc.
BRAC	Base Realignment and Closure
CLP	Contract Laboratory Program
DQO	Data Quality Objective
EBS	Environmental Baseline Survey
NAS	Naval Air Station
PCB	Polychlorinated Biphenyl
PRE	Preliminary Risk Evaluation
SAO	Sample and Analysis Outline
SAR	Sampling and Analysis Report
TtNUS	Tetra Tech NUS, Inc.

1.0 SITE DESCRIPTION

This Base Realignment and Closure (BRAC) Phase II Sampling and Analysis Outline (SAO) briefly describes and proposes a plan for assessment of Building 16A located at the Main Base, Naval Air Station (NAS) Cecil Field. Building 16A is a Water Tank; however, it is not specifically referenced in the NAS Cecil Field Environmental Baseline Survey (EBS) (ABB-ES, 1994). The facility is located in a grassy area between "C" Avenue and "B" Circle (Figure 1).

There is little information available on this concrete water tank in the EBS. According to the Base water distribution system drawing, the tank capacity is 200,000 gallons (NAS Cecil Field, 1992).



DRAWN BY: YLI	DATE: 11/17/98	BUILDING 16A WATER TANK SAMPLING AND ANALYSIS OUTLINE PROPOSED SAMPLE LOCATIONS NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER: 0039
CHECKED BY: KT	DATE: 11/17/98		APPROVED BY: — DATE: —
COST/SCHEDULE-AREA			APPROVED BY: — DATE: —
SCALE: AS NOTED			DRAWING NO.: FIGURE 1 REV: 0

P:\GIS\CECIL\TOWERS_TANKS.APR 11/09/98 YLI LAYOUT TOWER 16A

2.0 ENVIRONMENTAL BASELINE SURVEY COLOR DESIGNATION

Building 16A was not assigned a color code in the EBS. The structure appears to be free of damage, and there were no signs of leaks in the pipes serving the tanks. However, because the water tank is of unknown age, there is the possibility that the tank was painted with lead-based paint. The paint on the exterior of the tank appeared to be in good condition; however, there has been no testing conducted to verify the presence of lead-based paint. Lead-based paint could have been released during sandblasting and repainting of the water tank.

3.0 RECOMMENDATIONS

Completion of the following program is recommended to assess the presence or absence of contamination in surface soil beneath and around the Building 16A Water Tank. To evaluate surface soil contamination, analysis for arsenic (Method 6010B), lead (Method 6010B), and polychlorinated biphenyls (PCBs)(Method 8082) is recommended.

There is a potential need for input of data into a Preliminary Risk Evaluation (PRE) if surface soil is contaminated. Contract Laboratory Program (CLP) deliverables are recommended to meet the data quality objective (DQO) for this site.

Applicable sample collection techniques, quality assurance objectives, quality control requirements, and sample handling and shipping procedures are outlined in the Base-wide Generic Work Plan (TtNUS, 1998). The proposed sampling locations are shown on Figure 1.

Eight surface soil samples (0 to 1 foot below ground surface) will be collected to evaluate the potential for surface soil contamination. One grab sample will be collected at each location and analyzed for lead. The samples from two locations adjacent to the tank (e.g., CEF-16A-SS-004 and CEF-16A-SS-008) will also be analyzed for arsenic and PCBs.

The results of the field investigation, data analysis, data validation, and PRE will be presented and evaluated in a Sampling and Analysis Report (SAR).

REFERENCES

ABB-ES (ABB Environmental Services, Inc.), 1994. Base Realignment and Closure Environmental Baseline Survey, Naval Air Station, Cecil Field, Jacksonville, Florida. Tallahassee, FL.

NAS Cecil Field, 1992. Water Distribution System Drawing. Jacksonville, FL.

TtNUS (Tetra Tech NUS, Inc.), 1998. Base-wide Generic Work Plan, Naval Air Station Cecil Field, Jacksonville, Florida. Pittsburgh, PA.